

REMARKS

Applicants respectfully request entry of this Preliminary Amendment prior to the first Official Action and prior to calculating the fees for the application.


Applicants respectfully request consideration and allowance of claims 1-65.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to deposit account No. 23-1123.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

By:

  
Joseph R. Kelly, Reg.No. 34,847  
Suite 1600 - International Centre  
900 Second Avenue South  
Minneapolis, Minnesota 55402-3319  
Phone:(612) 334-3222 Fax:(612) 334-3312

JRK:NR:slg

**MARKED-UP VERSION OF REPLACEMENT CLAIMS**

37. (new) The aneurysm liner of claim 1 wherein the liner sac is made of a biodegradable or biocompatible material.

38. (new) The aneurysm liner of claim 37 wherein the one or more folded or pleated expansion zones are disposed on the liner sac and remain in an unexpanded configuration at the first internal pressure and assume an expanded configuration at the second internal pressure.

39. (new) The aneurysm liner of claim 38 wherein the one or more expansion zones each comprise a pleated portion of the inelastic material folded upon itself in an accordion-like configuration and remaining folded under the first internal pressure.

40. (new) The aneurysm liner of claim 39 wherein the folded portion unfolds when subjected to the second internal pressure.

41. (new) The aneurysm liner of claim 40 wherein the liner sac is perforated to permeate blood from the aneurysm to the parent vessel.

42. (new) The aneurysm treatment device of claim 14 wherein the expandable liner sac is comprised of biodegradable and biocompatible material.

43. (new) The aneurysm treatment device of claim 42 wherein the retaining member is oriented in the liner sac such that when the retained portion is released, it increases a deployed axial length of the liner sac.

44. (new) The aneurysm treatment device of claim 43 wherein the retaining member comprises:

a coil disposed within the liner sac and having the retained portion of the liner sac tucked within an interior of the coil.

45. (new) The aneurysm treatment device of claim 44 wherein the coil is configured such that when it releases the retained portion, the coil floats within the liner sac.

46. (new) The aneurysm treatment device of claim 45 wherein the coil remains connected to the liner sac after it has release the retained portion of the liner sac.

47. (new) The aneurysm treatment device of claim 29 wherein the fabric material is comprised of a biodegradable and biocompatible material.

48. (new) The aneurysm treatment device of claim 47 wherein the proximal and distal portions comprise a flowable material, flowed around proximal and distal ends of the medial portion, respectively.

49. (new) The aneurysm treatment device of claim 48 wherein the flowable material comprised urethane.

50. (new) The aneurysm treatment device of claim 47 wherein the fabric material forms and expandable braid.

51. (new) The aneurysm treatment device of claim 47 wherein the fabric material forms an expandable mesh.

52. (new) The aneurysm treatment device of claim 47 wherein the

medial portion terminates in substantially constant diameter, unfolded, proximal and distal ends.

53. (new) The aneurysm treatment device of claim 52 wherein the proximal and distal ends are covered by the thin material.

54. (new) The aneurysm treatment device of claim 53 wherein the thin material forming the proximal portion has an outer diameter that tapers proximally.

55. (new) The aneurysm liner of claim 6 wherein the structure is comprised of a biodegradable and biocompatible material.

56. (new) The aneurysm liner of claim 55 wherein the distal portion has perforations sized to permeate embolics.

57. (new) The aneurysm liner of claim 56 wherein the proximal portion has perforations sized to permeate blood but to inhibit permeation of embolics.

58. (new) The aneurysm liner of claim 57 wherein the proximal portion comprises a liner portion supported by expandable struts.

59. (new) The aneurysm liner of claim 58 wherein the distal portion is formed of the struts, free of any covering.

60. (new) The aneurysm liner of claim 59 wherein the distal portion is comprised of a liner portion supported by the struts.

61. (new) The aneurysm liner of claim 60 wherein the liner portion comprises a biodegradable and biocompatible material.

62. (new) The aneurysm liner of claim 58 wherein the liner portion

comprises a shape memory polymer material.

63. (new) The aneurysm liner of claim 62 wherein the shape memory polymer material is biodegradable and biocompatible.

64. (new) The aneurysm liner of claim 63 wherein the shape memory polymer is actuatable between the first low profile delivery configuration wherein it confines the struts to a low profile configuration and a relaxed, expanded configuration.

65. (new) The aneurysm liner of claim 62 wherein the shape memory polymer is actuatable between the first low profile delivery configuration wherein it confines the struts to a low profile configuration and a relaxed, expanded configuration.